

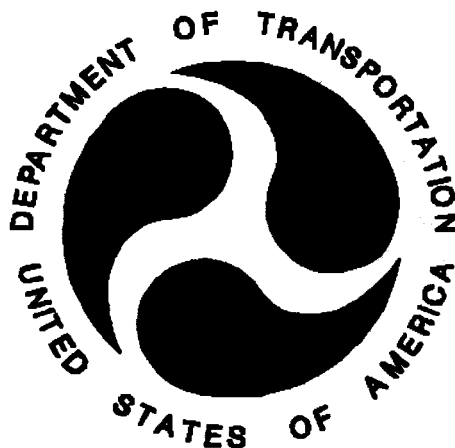
REPORT NUMBER: 120-MGA-05-005

HS#
637934

**SAFETY COMPLIANCE TESTING FOR
FMVSS NO. 120
TIRE SELECTION AND RIMS
FOR MOTOR VEHICLES OTHER THAN PASSENGER CARS**

**Blue Bird Corporation
2005 Vision School Bus
NHTSA No.: C50901**

**PREPARED BY:
MGA RESEARCH CORPORATION
5000 WARREN ROAD
BURLINGTON, WI 53105**



Final Report Date: July 19, 2005

FINAL REPORT

**PREPARED FOR:
U.S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
ENFORCEMENT
OFFICE OF VEHICLE SAFETY COMPLIANCE
400 SEVENTH STREET, SW, ROOM 6115 (NVS-224)
WASHINGTON, D.C. 20590**

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Prepared by:


James Hansen, Project Manager

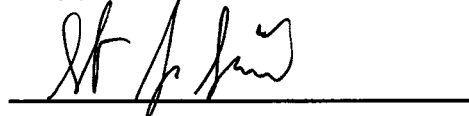
Date: July 19, 2005

Reviewed by:


John Roberts, Project Engineer

Date: July 19, 2005

FINAL REPORT ACCEPTED BY OVSC:



7/22/05

Date of Acceptance

Technical Report Documentation Page

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4. Title and Subtitle Final Report of FMVSS 120 Compliance Testing of 2005 Blue Bird Vision School Bus NHTSA No.:C50901				5. Report Date July 19, 2005	
				6. Performing Organization Code MGA	
7. Author(s) James Hansen, Project Manager John Roberts, Project Engineer				8. Performing Organization Report No. 120-MGA-05-005	
9. Performing Organization Name and Address MGA Research Corporation 5000 Warren Road Burlington, WI 53105				10. Work Unit No.	
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12. Sponsoring Agency Name and Address U.S. Department of Transportation National Highway Traffic Safety Administration Enforcement Office of Vehicle Safety Compliance 400 Seventh St., S.W. Room 6115 (NVS-224) Washington, D.C. 20590				13. Type of Report and Period Covered Final Report 06/28/05 - 07/19/05	
				14. Sponsoring Agency Code NVS-224	
15. Supplementary Notes					
16. Abstract A test was conducted on a 2005 Blue Bird Vision School Bus, NHTSA No. C50901, in accordance with FMVSS 120, "Tire selection and rims for motor vehicles other than passenger cars," and TP-120-03. The vehicle was weighed in the unloaded and fully loaded conditions and its tires, rims, and related information were checked. Test failures were as follows: None					
17. Key Words Compliance Testing Safety Engineering FMVSS 120				18. Distribution Statement Copies of this report are available from: NHTSA Technical Information Services (TIS) Room 2336 (NAD-405) 400 Seventh Street, S.W. Washington, D.C. 20590 (202) 366-4946	
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SECTION 1
PURPOSE OF COMPLIANCE TEST

The purpose of this test report is to document the results of tests performed on a MY2005 Blue Bird Corporation Vision School Bus, NHTSA No.: C50901, in accordance with the requirements stated in Federal Motor Vehicle Safety Standard (FMVSS) No. 120, "Tire Selection and Rims for Motor Vehicles other than Passenger Cars."

This standard establishes requirements to ensure that applicable vehicles are equipped with tires of adequate size and load rating and rims of appropriate size and type designation.

SECTION 2

TEST PROCEDURE AND DISCUSSION OF RESULTS

Testing of the 2005 Blue Bird Corporation Vision School Bus conducted at MGA Research Corporation – Wisconsin Operations in accordance with NHTSA TP-120-03, dated April 10, 2000 and MGA-TP-120-03 dated November 20, 2002. The vehicle mounted tires and rims were surveyed to ensure that the rims were suitable for the tires and that the tires inflated to the maximum inflation pressure stated on the tire sidewall were appropriate for the vehicle's certified Gross Axle Weight Ratings (GAWR). The vehicle certification and tire information labeling was surveyed to ensure that the vehicle manufacturer's recommended rims were suitable for the recommended tires, and that the recommended tires inflated to the recommended inflation pressures stated on the labeling were appropriate for the vehicle's certified GAWRs. The vehicle was ballasted and weighed in three different loading conditions to determine if axle or tire overloading could occur. The three loading conditions were:

Condition 1 – Unloaded Vehicle Weight (UVW).

Condition 2 – Vehicle in Condition 1 state plus the addition of ballast to simulate
Thirty-nine passengers (one adult driver and thirty-eight students),.

Condition 3 – Vehicle in Condition 2 state plus the addition of ballast to simulate
cargo loading. Target vehicle load is the certified gross weight
rating (GVWR).

The vehicle mounted tires inflated to the inflation pressure labeled on the tire sidewall have a load rating appropriate to carry the maximum loads as required by FMVSS No. 120. The vehicle rims are suitable for the vehicle tires and contain the required markings.

SECTION 2...continued
TEST PROCEDURE AND DISCUSSION OF RESULTS

Test Lab: MGA Research-Wisconsin Operations **Contract No:** DTNH22-02-D-01057

Vehicle Make/Model: Blue Bird /Vision **MY:** 2005

NHTSA No.: C50901 **VIN:** 1BAKGCKH05F227003 **Vehicle Type:** School Bus

Incomplete Veh. Make/Model: N/A

Designated Seating Capacity: 39, (1 driver, 38 passengers)

Dealer Installed Optional Accessories: None Noted

Summary

Requirements	PASS/FAIL
TIRE AND RIM SELECTION (S5.1) Installed tires and rims are suitable for vehicle	PASS
Rim Marking (S5.2) Rims contain all required markings of proper dimensions	PASS
LABEL INFORMATION (S5.3) Vehicle has proper certification/tire information label. Label tires at recommended inflation pressure and rims are suitable for vehicle.	PASS
Weight Distribution (49 CFR 567 Certification) Vehicle loaded with occupants and cargo does not exceed GVWR	PASS
Results: Test data indicates compliance with FMVSS 120	PASS

SECTION 3
COMPLIANCE TEST DATA

**FMVSS 120 – DATA SHEET 1
GENERAL TIRE AND RIM DATA**

Test Vehicle: **2005 Blue Bird Corp. Vision School Bus**
Test Lab: **MGA Research-Wisconsin Operations**

NHTSA No.: **C50901**
Test Date: **6/28/05**

GENERAL DATA

Tire Type: (Passenger car or other)	TRUCK/BUS
Are the tire and rim sizes the same for all axles, including the spare?	YES
Does the tire size fitted to the axles appear on the Certification or Tire label? (If NO, describe)	YES
Number of axles	2
Dual tires on rear axle(s)	YES

TIRE DATA FROM SIDEWALL

	RIGHT FRONT	SPARE
Manufacturer	Michelin	
Brand	XZE	
Tire Size	11R22.5	
Maximum Tire Load Rating (KG)	2800-Single 2850-Dual	
De-rated Tire Load Rating (KG)	N/A	
Maximum Inflation Pressure (KPA)	720	
Tire has DOT symbol (Yes/No)	Yes	
DOT serial number	DOT M53T A7MX 2404	

**MOUNTED TIRE VS. AXLE RATING COMPARSION
(AT SIDEWALL MAXIMUM INFLATION PRESSURE)**

	FRONT AXLE	REAR AXLE
A. GAWR (KG) from certification label	4537	9528
B. (No. of tires) x (tire load rating (KG) from above table)	5600	10600
C. Is "B" equal to or greater than "A"? (Yes/No)	Yes	Yes

**FMVSS 120 – DATA SHEET 1...continued
GENERAL TIRE AND RIM DATA**

Test Vehicle: **2005 Blue Bird Corp. Vision School Bus**
Test Lab: **MGA Research-Wisconsin Operations**

NHTSA No.: **C50901**
Test Date: **6/28/05**

RIM MARKINGS

	RIGHT FRONT	SPARE
Source of published dimensions (letter designation)	T	
Rim Size	22.5 x 7.5	
Does rim contain DOT symbol? (Yes/No)	Yes	
Manufacturer's name, symbol or trademark (copy format)	Accuride	
Date of manufacture or symbol	06 01 04	
Do items A-C appear on weather side of rim? (Yes/No)	Yes	
Letter height (not less than 3mm)	Yes – 3.5 mm	
Lettering (impressed or embossed)	Impressed	
Are all rim markings legible? (Yes/No)	Yes	
Do all markings comply with requirements? (Yes/No)	Yes	
Rims are suitable for tires on vehicles? (Yes/No)	Yes	

RIM MEASUREMENTS

	RIGHT FRONT	SPARE
Rim width	191 mm (7.5")	
Rim diameter	551 mm (22.5")	
Rim measurements same as rim markings? (Yes/No)	Yes	

RESULTS	PASS/FAIL
TIRE AND RIM SELECTION (S5.1) Installed tires and rims are suitable for vehicle	PASS
Rim Marking (S5.2) Rims contain all required markings of proper dimensions	PASS

Remarks: **NONE**

Tested By:  Approved By: 
Date: June 28, 2005

**FMVSS 120 - DATA SHEET 2
CERTIFICATION AND TIRE LABEL INFORMATION**

Test Vehicle: **2005 Blue Bird Corp. Vision School Bus**
Test Lab: **MGA Research-Wisconsin Operations**

NHTSA No.: **C50901**
Test Date: **6/28/05**

LABEL INFORMATION

Label Design (Combined Certification and Tire Label):	Yes
Label Design (Separate Tire Information Label):	N/A
Label in English? (Yes/No)	Yes
Block capital letter and numbers are not less than 2.4 mm in height (yes/no):	Yes
Label is permanently affixed; describe method of affixing (rivets, glue, etc.)	glue
Does label text color contrast with background? (yes/no)	Yes
Location of Label(s) on the vehicle:	Above Driver's Side Window

TIRE AND RIM DATA FROM LABEL (FOR EACH GAWR/GVWR)

GVWR: 13612 KG	FRONT AXLE	REAR AXLE
Tire Size	11R22.5	11R22.5
Rim Size	7.5 x 22.5	7.5 x 22.5
Recommended inflation pressure (KPa)	723	723
Are labeled rims suitable for labeled tires (Yes/No) ¹	Yes	Yes
Referenced load rating at label recommended inflation pressure (KG) ¹	2800	2650

¹ Referenced source for tire/rim match and load rating data: 2005 Tire and Rim Assoc.

CERTIFICATION/TIRE LABEL MAXIMUM CAPACITY COMPARISON

GVWR: 13612 KG	FRONT AXLE	REAR AXLE
A. GAWR (kg) FROM CERTIFICATION LABEL	(C) 4537	(D) 9528
B. (No. of tires) x (Tire load rating (KG))	5600	10600
Is "B" equal or greater than "A"? (Yes/No)	Yes	Yes
Is (C) plus (D) equal to or greater than GVWR? (Yes/No)	Yes	

RESULTS	PASS/FAIL
LABEL INFORMATION (S5.3) Vehicle has proper certification/tire information label. Label tires at recommended inflation pressure and rims are suitable for vehicle.	PASS

Tested By: 

Approved By: 

Date: June 28, 2005

**FMVSS 120 - DATA SHEET 3
WEIGHT DISTRIBUTION**

Test Vehicle: **2005 Blue Bird Corp. Vision School Bus**
Test Lab: **MGA Research-Wisconsin Operations**

NHTSA No.: **C50901**
Test Date: **6/28/05**

Fluid Levels				
Fuel:	FULL			
Coolant:	FULL			
Other Fluids: <u>Washer fluid, brake fluid, etc.</u>	FULL			
Tire Pressures				
Tire	Left Front	Right Front	Left Rear	Right Rear
Tire Pressure (KPa)	723	723	723	723
Occupant and Cargo Loads				
Total Occupant Load (kg): [# of designated seating positions x 68 KG per adult or 54 KG per student]			2120 (1-driver, 38-students)	
Manufacturer's Rated Cargo Load (kg): [If not stated on vehicle or provided in owner's manual leave blank]			N/A	
Certified GVWR - Measured UVW - Total Occupant Load = Rated Cargo Load <u>13612</u> KG - <u>8608</u> KG - <u>2120</u> KG = <u>2884</u> KG (must be positive)				
Describe Placement of Cargo:		Center of aisle Fore to Aft distribution		

Weight Distribution

ITEM	Tire or Vehicle Rating* (KG)	CONDITION 1 UVW (KG)		CONDITION 2 Cond. 1 + occupants (KG)		CONDITION 3 Cond. 2 + cargo (KG)	
		Measured	Overload	Measured	Overload	Measured	Overload
Left Front Tire	2800	1546	NO	1480	NO	1584	NO
Right Front Tire	2800	1516	NO	1548	NO	1620	NO
Front Axle	4537	3062	NO	3028	NO	3204	NO
Left Rear Tire	5300	2676	NO	3660	NO	5018	NO
Right Rear Tire	5300	2868	NO	4096	NO	5372	YES**
Rear Axle	9528	5544	NO	7756	NO	10390	YES**
Total Vehicle	13612	8608	NO	10784	NO	13594	NO

* - Vehicle and axle weight ratings (GVWR & GAWR) are located on the vehicle certification label plate. Vehicle tire load ratings are based upon the inflation pressure specified on the certification label plate for each respective axle, as determined from the appropriate tire manufacturer's specification table.

** - For condition 3, the target total vehicle load was the vehicle's GVWR. The amount and placement of the cargo ballast was arbitrary. The total cargo ballast load could have been reduced and redistributed to ensure that none of the tire, axle, or vehicle ratings were exceeded.

**FMVSS 120 – DATA SHEET 3...continued
WEIGHT DISTRIBUTION**

Test Vehicle: **2005 Blue Bird Corp. Vision School Bus**
Test Lab: **MGA Research-Wisconsin Operations**

NHTSA No.: **C50901**
Test Date: **6/28/05**

RESULTS	PASS/FAIL
Weight Distribution (49 CFR 567 Certification) Vehicle loaded with occupants and cargo does not exceed GVWR	PASS

Remarks:

Tested By:  Approved By: 
Date: June 28, 2005

SECTION 4
INSTRUMENTATION AND EQUIPMENT LIST

Test Vehicle: **2005 Blue Bird Corp. Vision School Bus**
Test Lab: **MGA Research-Wisconsin Operations**

NHTSA No.: **C50901**
Test Date: **6/28/05**

	Digital Caliper	Vehicle Scale	Tape Measure
Make	Mitutoyo	GSE	Stanley
Model	CD-6" CS	Pro-Weigh 84	Powerlock
Serial # (s)	0441288	212091/212092	SN152
Range	0-150mm	0 to 20,000 lb	0-8 m
Accuracy	.01mm	0.25% static	1 mm
Cal. Date	4/1/05	6/10/05	5/31/05
Cal. Due Date	10/1/05	12/10/05	11/31/05

SECTION 4...continued
INSTRUMENTATION AND EQUIPMENT LIST

Test Vehicle: 2005 Blue Bird Corp. Vision School Bus
Test Lab: MGA Research-Wisconsin Operations

NHTSA No.: C50901
Test Date: 6/28/05

SCALE CALIBRATION SHEET

Coughlin *Jack Sord*

REPORT OF INSPECTION AND CALIBRATION
Operating Under A2LA Accreditation #2006.01; Performed by Certified Scale Inc. N57 W13640 Carmen Avenue,
Menomonie Falls, WI 53051. As Directed by MGA Research Corporation

TYPE <u>DIGITAL FLOOR</u>	CLASS <u>III</u>	MODEL <u>405</u>	CAPACITY <u>20,000</u>
MANUFACTURER <u>GSE</u>	SERIAL # <u>004804</u>	ID# <u>NONE</u>	MAX LOAD <u>15,000</u>
LOCATION <u>BUS AND TRUCK BAY</u>	MINIMUM DIVISION <u>5</u>	UNITS <u>Lbs</u>	

TEST (AND UNCERTAINTY) RANGE: 0 TO 15,000 LBS. DATE OF CALIBRATION: 6/28/05

FOR USE REPORT TO TEST JUSTIFICATION AND UNCERTAINTY POLICY USED PART OF SCALE MAINTENANCE AND CALIBRATION PROCEDURE MANUAL; SERIAL # MGA-7044.1

☒ THERE WAS NO DEVIATION IN PROCEDURE AS WRITTEN
☐ DEVIATION FROM PROCEDURE IS NOTED HEREUPON

TEST METHOD: WEIGHTS

FOR USE REPORT TO TEST STANDARD TRACEABILITY AND DOCUMENT OF SCALE MAINTENANCE AND CALIBRATION PROCEDURE MANUAL; SERIAL # MGA-7044.1

TEMPERATURE: 70 HUMIDITY: 55 % AIR MOVEMENT: limited
VIBRATION: limited OTHER: none

FUNCTIONALITY: as left ☒ This test was conducted at Certified Scale Inc. facility, Menomonie Falls, WI
REPEATABILITY/SENSITIVITY: as left ☒ This test was conducted within the customer facility, located at:
PHYSICAL CONDITION: as left 5000 Wilson Road, Burlington, WI 53105
SUITABILITY FOR INTENDED USE ☒ Subcontracted to:

TEST POINT	As Found			As Left			TOLERANCES	
	EXPECTED VALUE	MEASURED VALUE	ERROR	MEASURED VALUE	ERROR	LOW LIMIT	HIGH LIMIT	
DISTRIBUTION	1000	998	10	✓ 1000	0	✓	998	1005
DISTRIBUTION	2000	1995	15	✓ 2000	0	✓	1995	2005
DISTRIBUTION	3000	2995	15	✓ 3000	0	✓	2990	3010
DISTRIBUTION	4000	3995	25	✓ 4000	0	✓	3990	4010
DISTRIBUTION	5000	4990	30	✓ 5000	0	✓	4990	5010
DISTRIBUTION	10,000	9950	50	✓ 10000	0	✓	9980	10,020
DISTRIBUTION	15,000	14930	70	✓ 15,000	0	✓	14,970	15,030
DISTRIBUTION	18,000	17910	80	✓ 18,000	0	✓	17,980	18,040

APPROVED

As Found: ☐ ACCEPT ☐ REJECT ☒ As Left: ☐ ACCEPT ☐ REJECT ☐ ACTION PENDING: ☐

ESTIMATED UNCERTAINTY OF THIS CALIBRATION IS: 0.0005 MGA Q1 BY CSI TYPE EVALUATION DEFAULT, WITH A CONFIDENCE LEVEL OF 90%
UNCERTAINTY OF THIS CALIBRATION IS UNKNOWN BY STATISTICAL CALCULATION ASSUMED EQUAL TO 40% OF THE MINIMUM VALID DIVISION

Technician's Comments/Observations/Options: unit not functioning properly due to damaged main cable, adjusted covers and zero & span calibrations

THIS REPORT IS VALID ONLY TO THE DEVICE IDENTIFIED IN THE LOCATION SPECIFIED AS PART OF THIS REPORT.
The serial number of this report is: 000005 MGA Q1. This report may not be duplicated without written consent of Certified Scale Inc.
This report, page (1) of (1) was completed on 6-28-05 by [Signature]
Next scheduled Full Calibration is due 12-05 Next Preventive Maintenance visit is due None
Date 6/28/05 Date None

Revision - 0
Certified Scale Inc. - Quality Procedure Manual - Controlled Document
R-0101.1RIG (File #5.10.c)

SECTION 4...continued

INSTRUMENTATION AND EQUIPMENT LIST

Test Vehicle: 2005 Blue Bird Corp. Vision School Bus
 Test Lab: MGA Research-Wisconsin Operations

NHTSA No.: C50901
 Test Date: 6/28/05

SCALE CALIBRATION SHEET

REPORT OF INSPECTION AND CALIBRATION									
Operating Under A2LA Accreditation #2006.01; Performed by Certified Scale Inc. N57 W13840 Carmen Avenue, Menomonie Falls, WI 53061. As Directed by MGA Research Corporation									
TYPE: DIGITAL FLOOR	CLASS: III	MODEL: 405	CAPACITY: 20,000						
MANUFACTURER: GSE	SERIAL #: 000000	ICP: NONE	MAX. LOAD: 15,000						
LOCATION: BUS AND TRUCK RAY	MINIMUM DIVISION: 5	UNITS: Lbs							
TYPE AND INSPECTION: <input checked="" type="checkbox"/> INSPECTION <input type="checkbox"/> TEST AND CALIBRATION PLEASE REFER TO TEST STANDARDS AND UNCERTAINTY POLICY UNDER PART OF SCALE MAINTENANCE INSPECTION PROCEDURE: SERIAL # MGA-70411 <input checked="" type="checkbox"/> THERE WAS NO DEVIATION IN PROCEDURE AS WRITTEN <input type="checkbox"/> DEVIATION FROM PROCEDURE IS NOTED HEREUPON TEST STANDARDS: <input checked="" type="checkbox"/> NIST 1000-1000 THRU 8000-1000 <input type="checkbox"/> NIST 1000-1000 THRU 8000-1000 SUBSTITUTION LOAD: <input type="checkbox"/> NONE TEST STANDARDS: <input checked="" type="checkbox"/> NIST 1000-1000 THRU 8000-1000 <input type="checkbox"/> NIST 1000-1000 THRU 8000-1000 SUBSTITUTION LOAD: <input type="checkbox"/> NONE PLEASE REFER TO TEST STANDARDS AND UNCERTAINTY POLICY UNDER PART OF SCALE MAINTENANCE INSPECTION PROCEDURE: SERIAL # MGA-70411 TEST STANDARDS: <input checked="" type="checkbox"/> NIST 1000-1000 THRU 8000-1000 <input type="checkbox"/> NIST 1000-1000 THRU 8000-1000 SUBSTITUTION LOAD: <input type="checkbox"/> NONE FUNCTIONALITY: as left <input checked="" type="checkbox"/> REPEATABILITY/SENSITIVITY: as left <input checked="" type="checkbox"/> PHYSICAL CONDITION: as left <input checked="" type="checkbox"/> SUITABILITY FOR INTENDED USE: <input checked="" type="checkbox"/>									
TEST POINT	AS FOUND			AS LEFT			TOLERANCES		
	EXPECTED VALUE	MEASURED VALUE	ERROR	MEASURED VALUE	ERROR	LOW LIMIT	HIGH LIMIT		
DISTRIBUTION	1000	1000	0	1000	0	995	1005		
DISTRIBUTION	2000	1995	5	2000	0	1995	2005		
DISTRIBUTION	3000	2995	5	3000	0	2995	3005		
DISTRIBUTION	4000	3990	10	4000	0	3990	4010		
DISTRIBUTION	5000	4990	10	5000	0	4990	5010		
DISTRIBUTION	10,000	9990	10	10,000	0	9990	10,010		
DISTRIBUTION	15,000	14,970	30	15,000	0	14,970	15,030		
DISTRIBUTION	18,000	17,960	40	18,000	0	17,960	18,040		
AS FOUND: ACCEPT <input checked="" type="checkbox"/> REJECT <input type="checkbox"/> AS LEFT: ACCEPT <input checked="" type="checkbox"/> REJECT <input type="checkbox"/> Action Pending: <input type="checkbox"/>									
ESTIMATED UNCERTAINTY OF THIS CALIBRATION IS <input type="checkbox"/> BY CSE TYPE EVALUATION DEPART WITH A CONFIDENCE LEVEL OF 90% <input checked="" type="checkbox"/> UNCERTAINTY OF THIS CALIBRATION IS UNKNOWN BY STATISTICAL CALCULATION ASSUMED EQUAL TO 20% OF THE MINIMUM VALID DIVISION									
Technician's Comments/Observations/Options: <i>As per calibration</i>									
APPROVED: <i>M.W.D.</i>									

THIS REPORT IS APPLICABLE ONLY TO THE DEVICE AND THE LOCATION SPECIFIED AS PART OF THIS REPORT.
 The serial number of this report is *061005-15601*. This report may not be reproduced without written consent of Certified Scale Inc.
 Report, page (2) of (3) was completed on *6/28/05* by *[Signature]*
 Next scheduled Full Calibration is due *12-05* Next Preventive Maintenance visit is due *12-05*
 Date: *12-05*
 Revision - 0 Certified Scale Inc. - Quality Procedure Manual - Controlled Document R-5101 (RIC (File #5.10.1))

SECTION 5
PHOTOGRAPHS

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Test Vehicle: 2005 Blue Bird Vision School Bus
Procedure: FMVSS 120

NHTSA No.: C50901



Three-Quarter Frontal View of Left Side of Test Vehicle

Test Vehicle: 2005 Blue Bird Vision School Bus
Procedure: FMVSS 120

NHTSA No.: C50901



Three-Quarter Rear View from Left Side of Vehicle

Test Vehicle: 2005 Blue Bird Vision School Bus
Procedure: FMVSS 120

NHTSA No.: C50901

MANUFACTURED BY

BLUE BIRD BODY COMPANY

DATE OF MFR. 09/04

SUITABLE TIRE - RIM CHOICE

GWR : 13612 KG (30000 LB.)

GWR : FRONT 4537 KG (10000 LB.) WITH

11RX22 5G TIRES

7 50X22 5 RIMS AT 723 KPA (105 PSI) COLD SINGLE

GWR : REAR 9528 KG (21000 LB.) WITH

11RX22 5G TIRES

7 50X22 5 RIMS AT 723 KPA (105 PSI) COLD DUAL

THIS VEHICLE CONFORMS TO ALL APPLICABLE U.S.

FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN

EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE

V.I.N. 1BAKCKKH05F227003 TYPE CLASSIFICATION SCHOOL BUS

Test Vehicle: 2005 Blue Bird Vision School Bus
Procedure: FMVSS 120

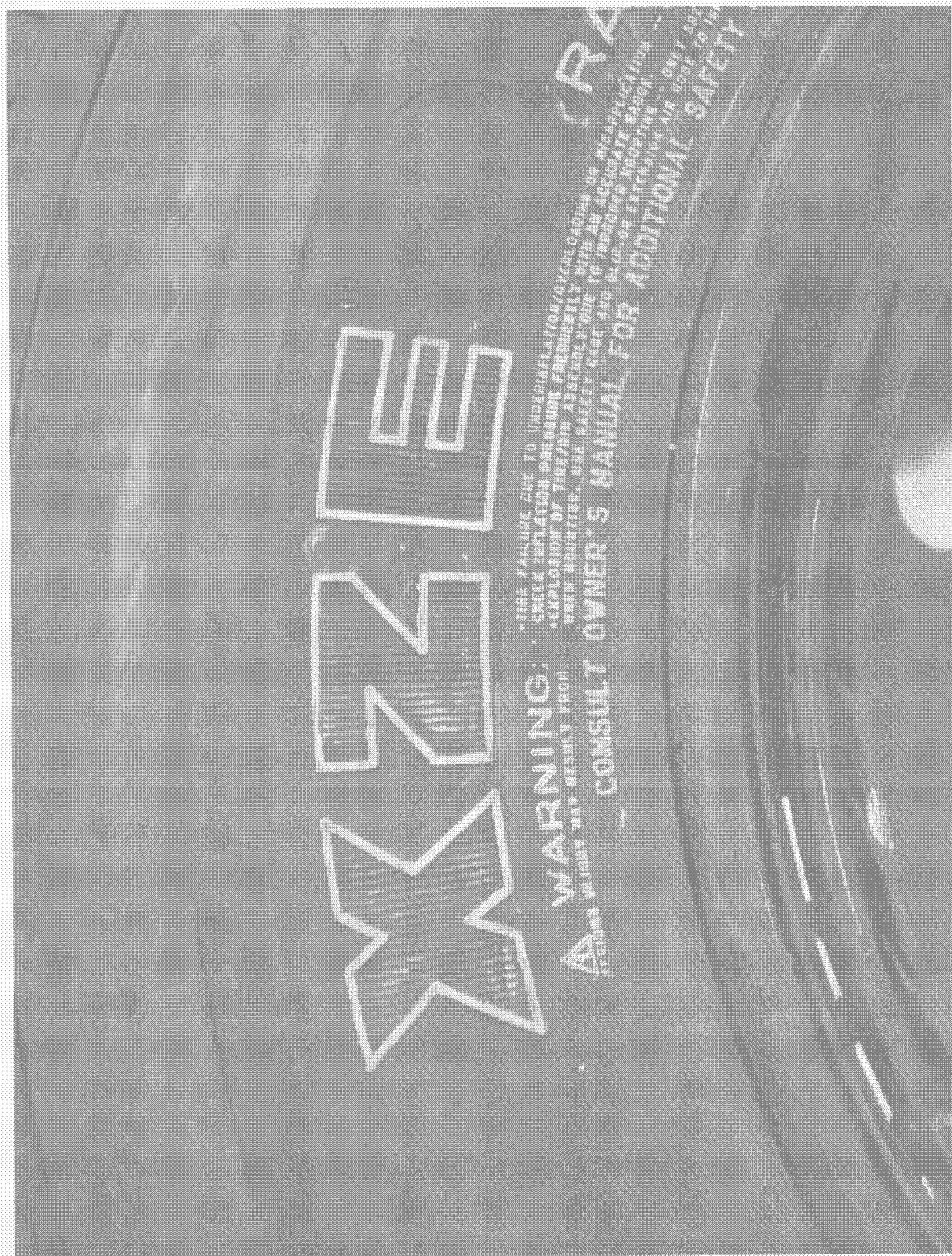
NHTSA No.: C50901



Right Front Tire Manufacturer

Test Vehicle: 2005 Blue Bird Vision School Bus
Procedure: FMVSS 120

NHTSA No.: C50901



Right Front Tire Model Number

Test Vehicle: 2005 Blue Bird Vision School Bus
Procedure: FMVSS 120

NHTSA No.: C50901



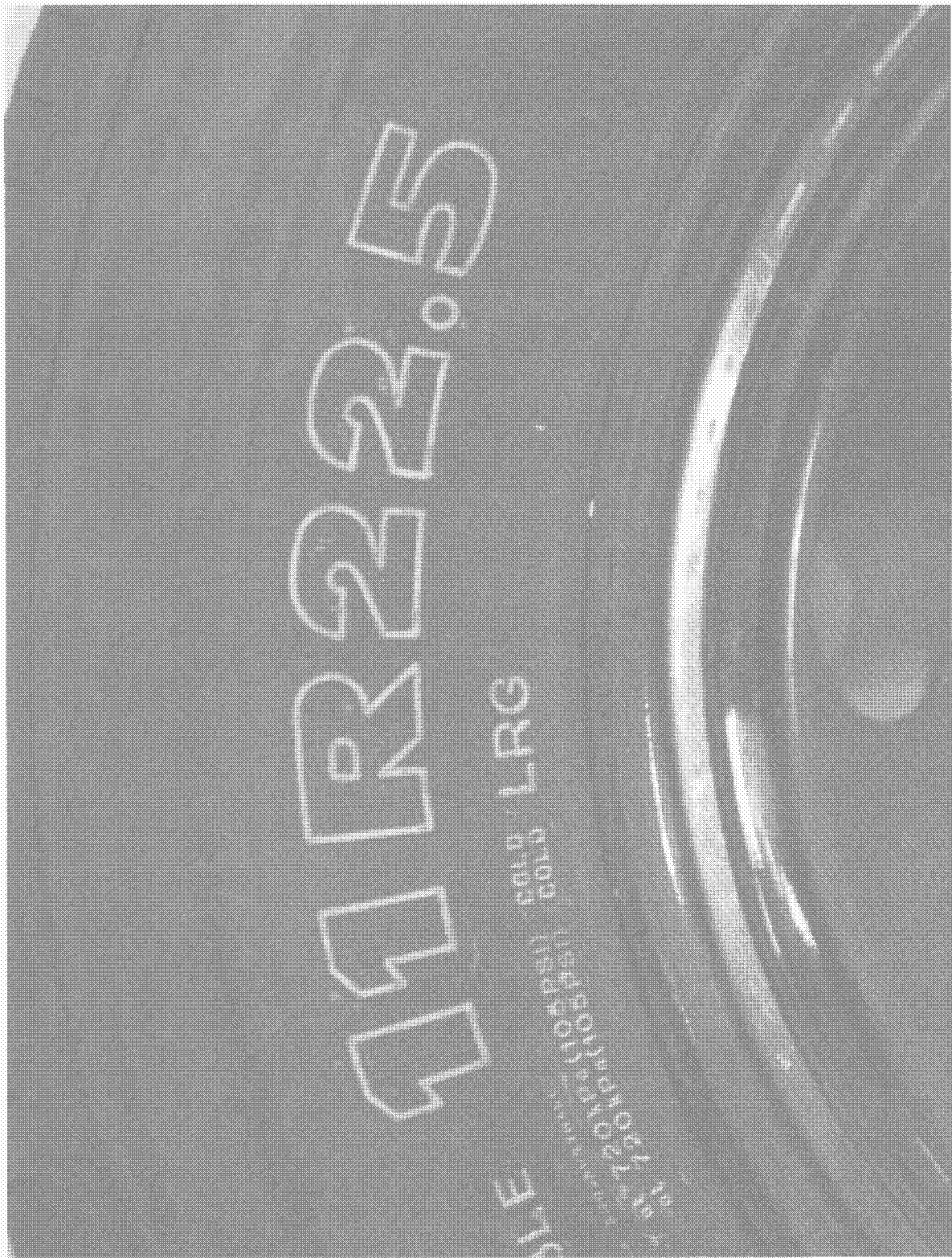
Right Front Tire DOT Serial Number

NHTSA No.: C50901



Test Vehicle: 2005 Blue Bird Vision School Bus
Procedure: FMVSS 120

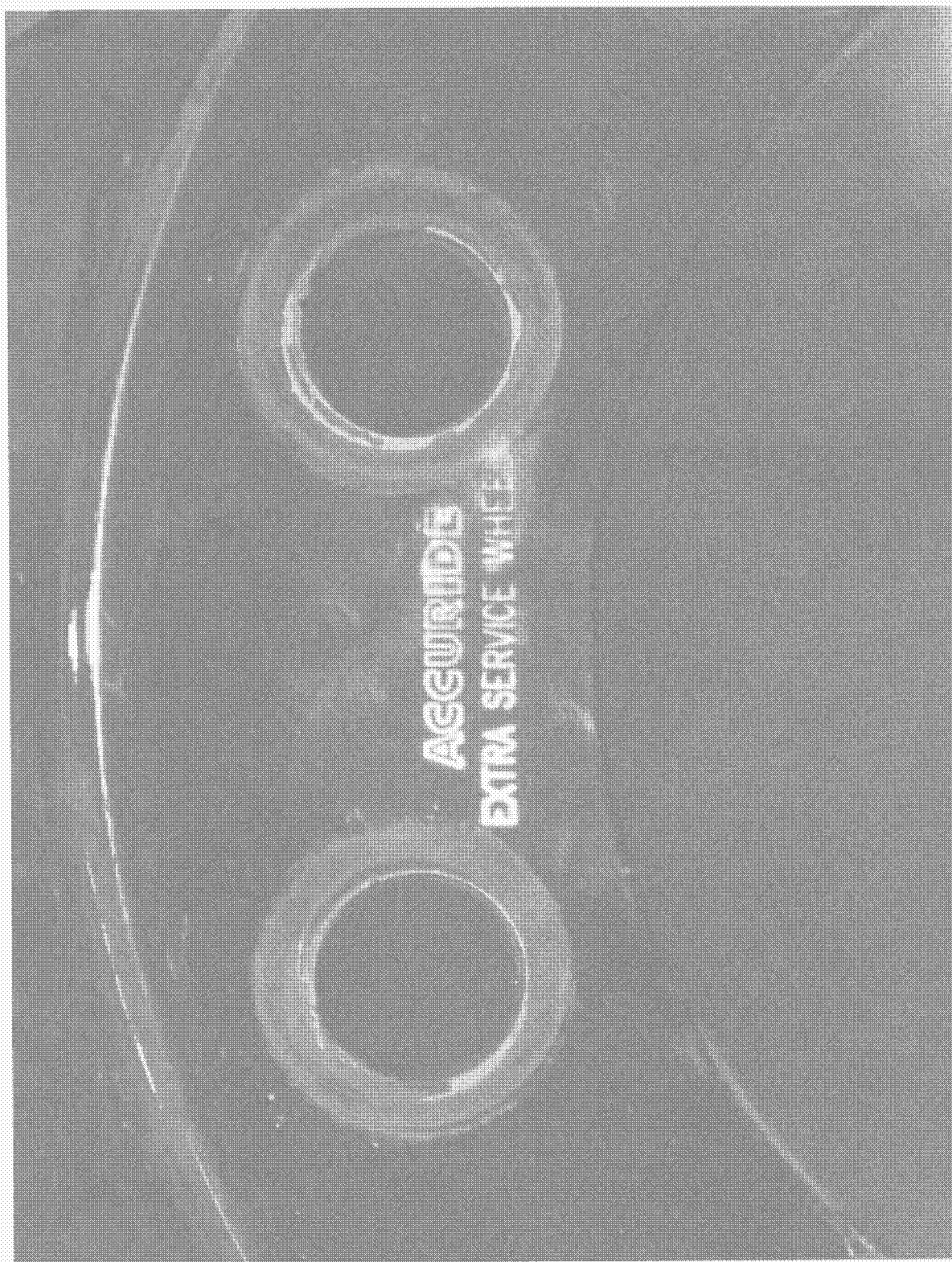
NHTSA No.: C50901



Right Front Tire Size Designation

Test Vehicle: 2005 Blue Bird Vision School Bus
Procedure: FMVSS 120

NHTSA No.: C50901



Right Front Rim Manufacturer

Test Vehicle: 2005 Blue Bird Vision School Bus
Procedure: FMVSS 120

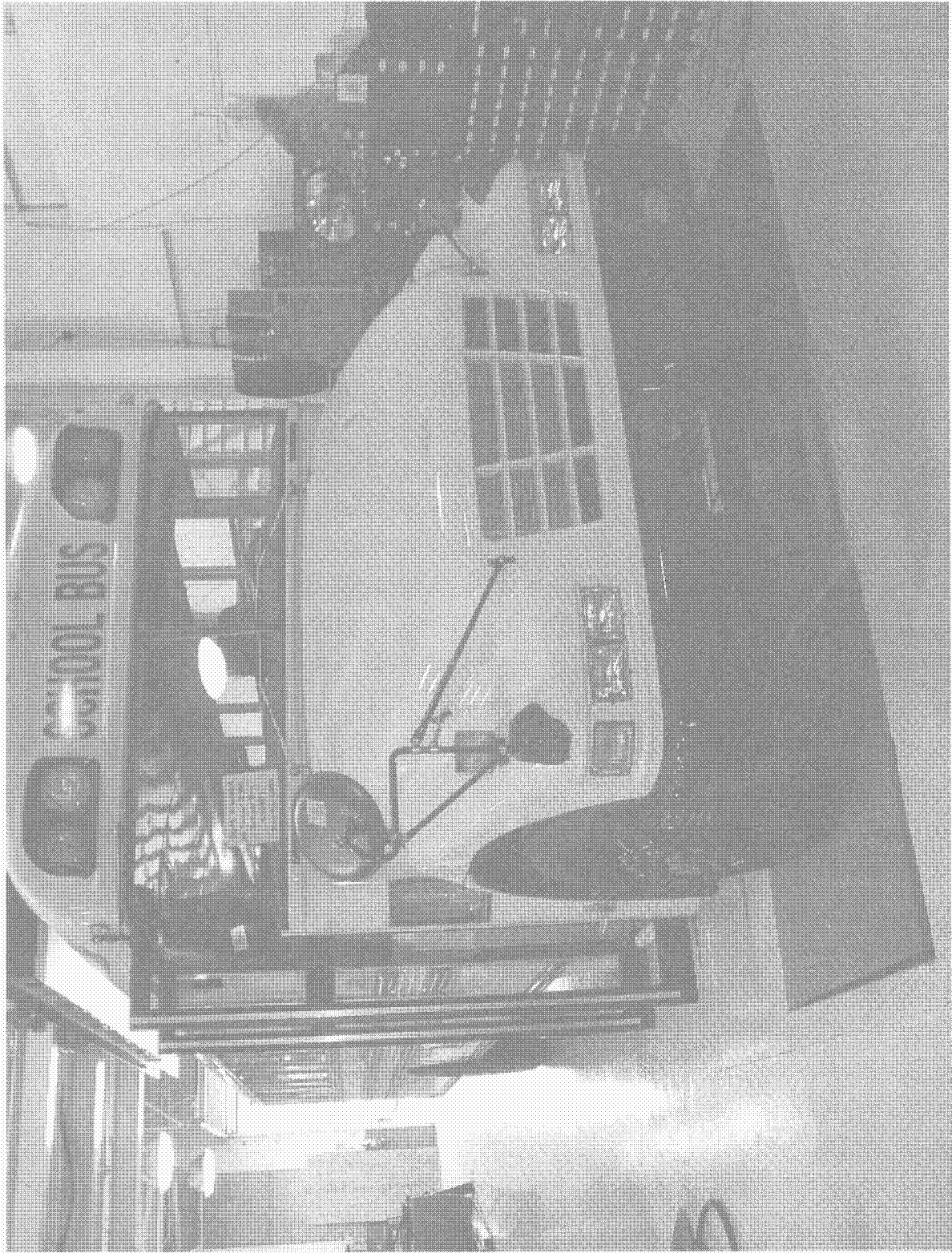
NHTSA No.: C50901



Right Front Rim DOT, Rim Size, Source of Published Information, and Date of Manufacture Markings

Test Vehicle: 2005 Blue Bird Vision School Bus
Procedure: FMVSS 120

NHTSA No.: C50901



Vehicle on Scales Doing Measurement of Front Axle Loads

Test Vehicle: 2005 Blue Bird Vision School Bus
Procedure: FMVSS 120

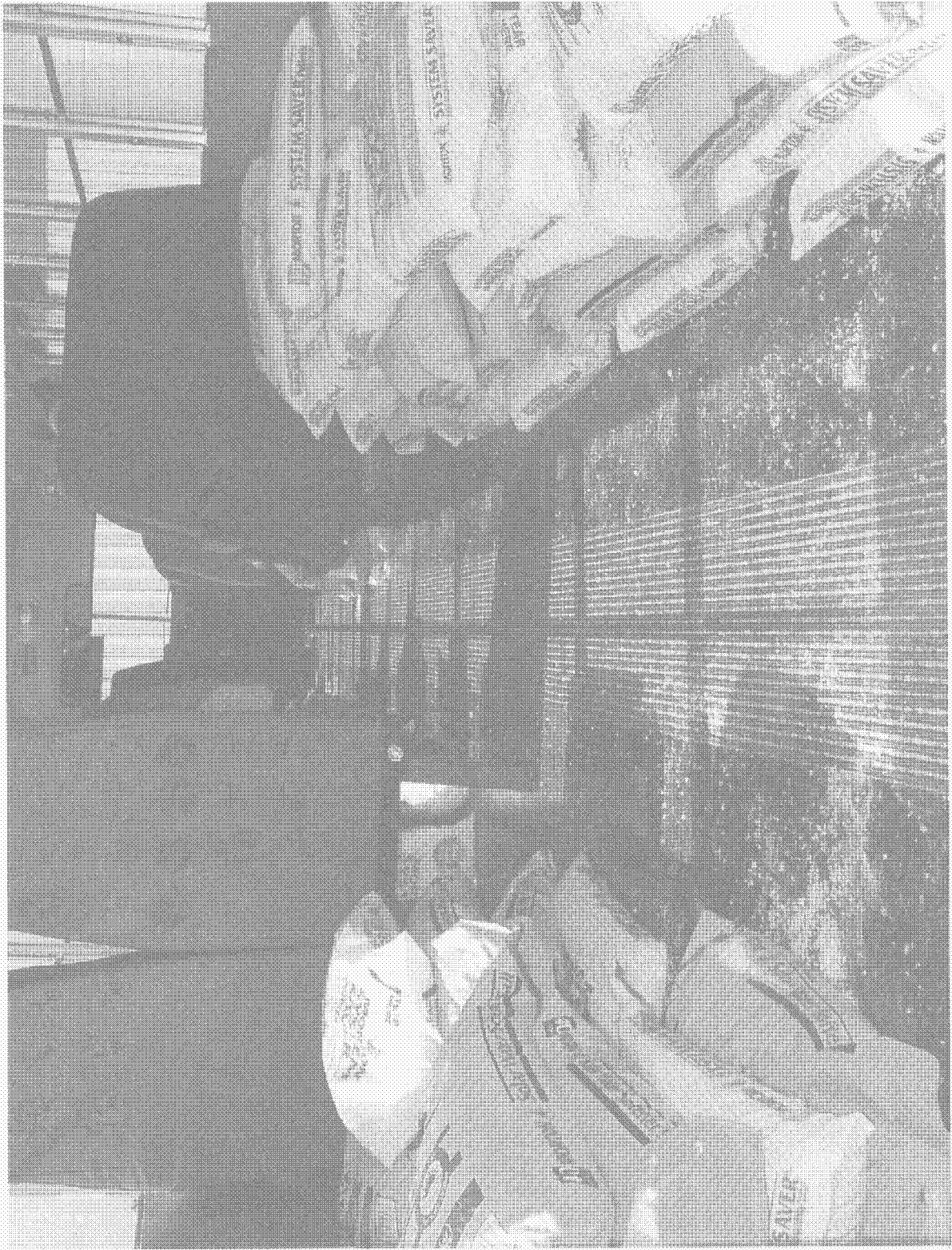
NHTSA No.: C50901



Vehicle on Scales Doing Measurement of Rear Axle Loads

Test Vehicle: 2005 Blue Bird Vision School Bus
Procedure: FMVSS 120

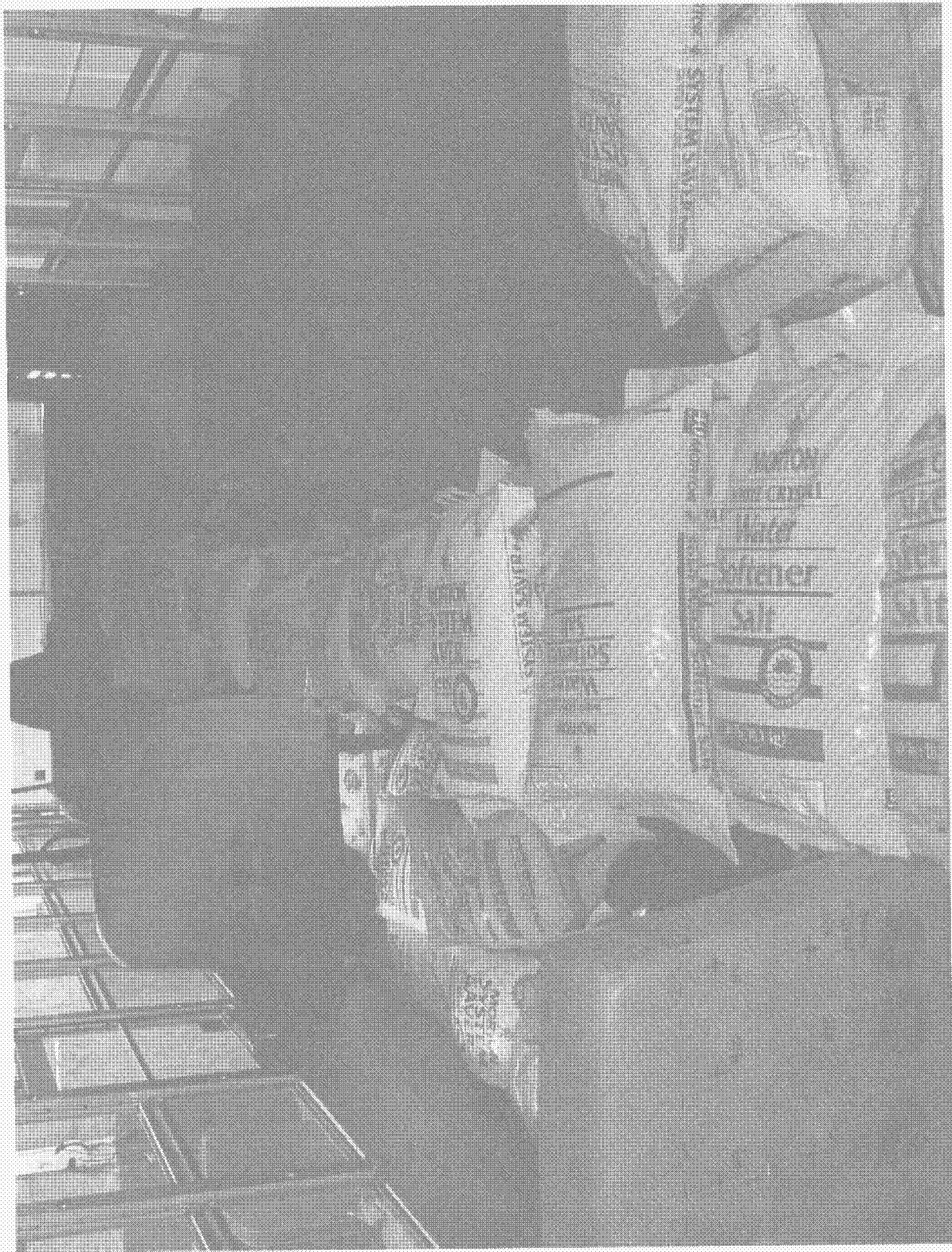
NHTSA No.: C50901



Simulated Occupant Loading

Test Vehicle: 2005 Blue Bird Vision School Bus
Procedure: FMVSS 120

NHTSA No.: C50901



Simulated Cargo Loading